

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
11 August 2005 (11.08.2005)

PCT

(10) International Publication Number
WO 2005/073194 A2

(51) International Patent Classification⁷: C07D 215/00

(HR). MARINKOVIC, Marina [HR/HR]; Ulica orhideja 5, 10360 Sesvete (HR).

(21) International Application Number:

PCT/HR2005/000005

(74) Common Representative: PRAMBERGER, Karin; Pliva Croatia, Generics IP, Ulica grada Vukovara 49, 10000 Zagreb (HR).

(22) International Filing Date: 19 January 2005 (19.01.2005)

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: English

(26) Publication Language: English

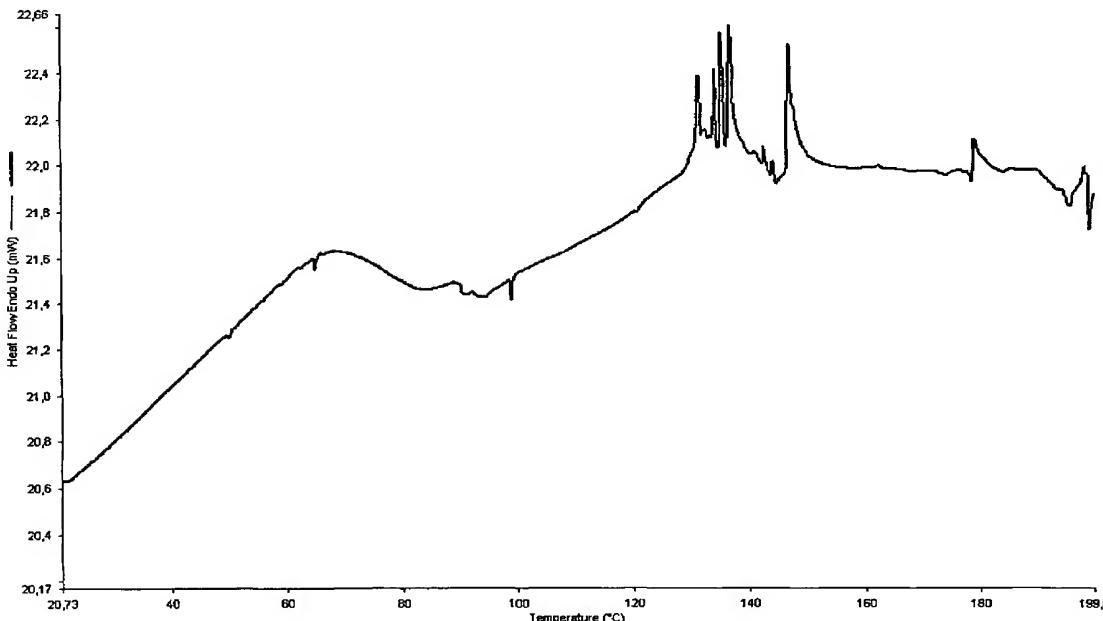
(30) Priority Data:
60/540,307 28 January 2004 (28.01.2004) US

(71) Applicant (for all designated States except US): PLIVA-ISTRAZIVANJE I RAZVOJ D.O.O.; Prilaz baruna Filipovica 29, 10000 Zagreb (HR).

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,

[Continued on next page]

(54) Title: SOLID FORMS OF MONTELUKAST ACID



DSC thermogram of amorphous form II of montelukast acid

(57) Abstract: The present invention relates to a new crystalline form and new amorphous forms of 1-(((1(R)-(3-(2-(7-chloro-2-quinolinyloxy)ethyl)-phenyl)-3-(2-(1-hydroxy-1-methylethyl)phenyl)propyl)thio)methyl) cyclopropane acetic acid ("montelukast acid"), to a process for their preparation, to pharmaceutical formulations containing them, and to a method of treatment using the same.

WO 2005/073194 A2



SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

- *without international search report and to be republished upon receipt of that report*